

December 2005 Update

Minot Landfill Superfund Site Minot, North Dakota (5-Year Review Date: 9/6/01)

Highlights Since the 2001 5-Year Review

- Annual reports submitted through the North Dakota Department of Health monitor water quality—last report September 2005.

Brief Site History: Between 1961 and 1971 the City of Minot, North Dakota operated a landfill, where it received municipal and industrial wastes. The Old Minot Landfill Site, located about one mile southwest of downtown Minot, North Dakota, covers approximately 26 acres. Land use in the site vicinity is light industrial and residential. Areas southwest of the site are used for agriculture.

Contaminants of concern at the site included: benzene and compounds; other volatile organic compounds (VOCs); metals including arsenic, copper and zinc; and phenol and compounds. Studies addressed groundwater, surface water, soil, sediment and landfill gases. They also evaluated risks to adult residents, occupational workers and children who live, work or play near the site. The Environmental Protection Agency (EPA) placed the site on its National Priorities List (NPL) in 1989.

Cleanup Activities Completed: Construction completion for the site was achieved in 1996. The following cleanup activities were completed in a joint effort by EPA, City of Minot and the State:

- \$ Installing drains to collect leachate (water contaminated by percolating through waste materials buried within the landfill) for conveyance to the City of Minot waste-water treatment facility, and to vent landfill gases to protect the clay cap;
- \$ Installing a groundwater monitoring system; and,
- \$ Implementing "institutional controls" that restrict or control land use within and next to the landfill.

With all cleanup actions completed, EPA deleted the site from the National Priorities List in March 1997.

Current Status: Current Operation & Maintenance activities conducted by the City of Minot include maintenance of the landfill cap and leachate drain system and monitoring groundwater throughout the site.

Summary of Protectiveness: There continues to be no threat to the community from the landfill, the landfill gas or the leachate. Institutional controls for this site have been adopted and are protective of human health and the environment.

Issues Impacting Protectiveness: No additional modification or improvements to the remedy are required at this time. EPA will continue to monitor the site in the future through coordination with the North Dakota Department of Health.

Minot Landfill Superfund Site Five-Year Review Update Table (Review Date: 9/6/01)				
Issues	Recommendations/ Follow-up Actions	Follow-Up Actions (Status/Due Date)	Status of Follow- Up Actions 12/05	Responsible Party
None: No additional modifications or improvements to the remedy are required at this time	EPA will continue to monitor the site in the future through coordination with the ND Department of Health	None	Annual water quality monitoring reports are submitted to EPA through the North Dakota Department of Health	N/A